



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: May, Michael J. *et al.*

Serial No.: 09/847946

Filed: May 2, 2001

For: ANTI-INFLAMMTOORY COMPOUNDS AND
USES THEREOF

Attorney Docket No.: PPI-119

Group Art Unit: 1646

Examiner: Not Yet Assigned

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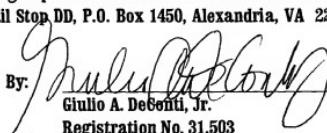
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By: 
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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

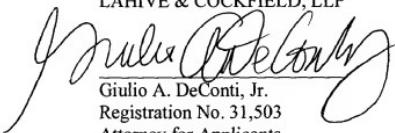
Applicants and their Attorney are aware of the following publications and information, listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. Reference ID Nos. A14, B3, B12, and C4 were cited in an International Search Report dated May 6, 2002 during the prosecution of PCT/US01/14346 which corresponds to the above referenced application. A copy of the report and each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,

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For: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
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Our Ref. No.: PPI-119

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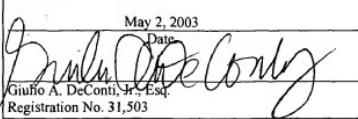
I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. A copy of the International Search Report;
3. PTO Form 1449;
4. Copies of references cited in PTO Form 1449 (47); and
5. A Return Postcard.

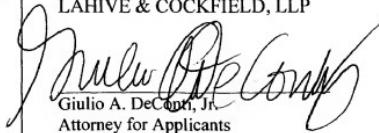
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Date

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APPLICANT FACSIMILE OF FORM PTO-144B REF ID: A7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO PPI-119	SERIAL NO. 09/847946
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT May, Michael J. et al.	FILING DATE May 2, 2001	GROUP 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1	5,747,641	05/98	Frankel <i>et al.</i>	530	300	
A2	5,804,374	09/98	Baltimore <i>et al.</i>	435	6	
A3	5,804,604	09/98	Frankel <i>et al.</i>	530	324	
A4	5,846,743	12/98	Janmey <i>et al.</i>	435	7.8	
A5	5,851,812	12/98	Goeddel <i>et al.</i>	435	194	
A6	5,888,762	03/99	Joliot <i>et al.</i>	435	69.1	
A7	5,939,302	08/99	Goeddel <i>et al.</i>	435	194	
A8	5,972,655	10/99	Marcu	435	69.1	
A9	6,015,787	01/00	Potter <i>et al.</i>	514	12	
A10	6,030,834	02/00	Chu <i>et al.</i>	435	325	
A11	6,316,415 B1	11/01	Albrecht <i>et al.</i>	514	18	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
A12	WO 98/52614 A2,A3	11/98	WO			
A13	WO 99/29721 A1	06/99	WO			
A14	WO 00/01417 A1	01/00	WO			
A15	WO 00/29427 A2,A3	05/00	WO			
A16	WO 00/31235 A2,A3	06/00	WO			

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

A17	Bower, B.S. <i>et al.</i> "Glycoaldium reseum EGIII-like cellulose (partial sequence).", Database A. Genesex 032802, Accession NO: AAY06332 (6 Sept. 1999).
A18	Chu, Z.-L. <i>et al.</i> , "IKK β Mediates the Interaction of Cellular I κ B Kinase with the Tax Transforming Protein of Human T Cell Leukemia Virus Type 1." <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 22, pages: 15297-15300 (1999)
A19	Delhase, M. <i>et al.</i> , "Positive and Negative Regulation of I κ B Kinase Activity Through IKK β Subunit Phosphorylation ." <i>Science</i> , Vol. 284, pages: 309-313 (1999)
A20	Derossi, D. <i>et al.</i> , "The third helix of the Antennapedia homeodomain translocates through biological membranes." <i>J. Biol. Chem.</i> Vol. 269, No. 14, pages: 10444-50 (1994).
A21	DiDonato, J.A. <i>et al.</i> , "A cytokine-responsive I κ B Kinase that activates the transcription factor NF- κ B." <i>Nature</i> , Vol. 388, pages: 548-554 (1997)
A22	DiDonato, J.A. <i>et al.</i> , "Mapping of the Inducible I κ B Phosphorylation Sites That Signal Its Ubiquitination and Degradation." <i>Molecular and Cellular Biology</i> , Vol. 16, No. 4, pages: 1295-1304 (1996)

Examiner	Date Considered
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APPLICANT FACSIMILE OF FORM PTO-1449 REV. 00		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO PPI-119	SERIAL NO. 09/847946
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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

B1	Ghosh, S. et al., "NF- κ B and Rel Proteins: Evolutionarily Conserved Mediators of Immune Responses." <i>Annu. Rev. Immunol.</i> , Vol. 16, pages: 225-60 (1998)
B2	Harhaj, E.W. et al., "IKK γ Serves as a Docking Subunit of the I κ B Kinase (IKK) and Mediates Interaction of IKK with the Human T-cell Leukemia Virus Tax Protein." <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 33, pages: 22911-22914 (1999)
B3	Hatada, E.N. et al. "NF- κ B and the innate immune response." <i>Curr. Opin. Immunol.</i> ; Vol. 12, No. 1, pages: 52-8 (2000)
B4	Ho, A. et al. "Synthetic protein transduction domains: enhanced transduction potential <i>in vitro</i> and <i>in vivo</i> ." <i>Cancer Res.</i> Vol. 61, No.2, pages: 474-7 (2001)
B5	Hu, Y. et al., "Abnormal Morphogenesis but Intact IKK Activation in Mice lacking the IKK α Subunit of I κ B Kinase." <i>Science</i> , Vol. 284, pages: 316-320 (1999)
B6	Jin, D-Y. et al., "Role of Adapter Function in Oncoprotein-mediated Activation of NF- κ B." <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 25, pages: 17402-17405 (1999)
B7	Jin, D-Y. et al., "Isolation of Full-Length cDNA and Chromosomal Localization of Human NF- κ B Modulator NEMO to Xq28." <i>Journal of Biomedical Science</i> , Vol. 6, pages: 115-120 (1999)
B8	Kopp, E. et al., "Inhibition of NF- κ B by Sodium Salicylate and Aspirin." <i>Science</i> , Vol. 265, pages: 956-959 (1994)
B9	Li, Q. et al., "Severe Liver Degeneration in Mice Lacking the I κ B Kinase 2 Gene." <i>Science</i> , Vol. 284, pages: 321-325 (1999)
B10	Lindgren, M. et al. "Cell-penetrating peptides." <i>Trends Pharmacol. Sci.</i> Vol. 21, No. 3, pages: 99-103 (2000)
B11	May, M.J. et al. "Rel/NF- κ B and I κ B proteins: an overview." <i>Cancer Biology</i> , Vol. 8, pages: 63-73 (1997)
B12	May, M.J. et al. "Selective inhibition of NF- κ B activation by a peptide that blocks the interaction of NEMO with the I κ B kinase complex." <i>Science</i> . Vol. 289, No. 5484, pages: 1550-4 (2000)
B13	May, M.J. et al. "Signal Transduction through NF- κ B." <i>Immunology Today</i> , Vol. 19, No. 2, pages: 80-88 (1998)
B14	Mercurio, F. et al., "I κ B Kinase (IKK)-Associated Protein 1, a Common Component of the Heterogeneous IKK Complex." <i>Molecular and Cellular Biology</i> , Vol. 19, No. 2, pages: 1526-1538 (1999)
B15	Regnier, C.H. et al., "Identification and Characterization of an I κ B Kinase." <i>Cell</i> , Vol. 90, pages: 373-383 (1997)
B16	Rothwarf, D.M. et al., "IKK- γ is an essential regulatory subunit of the I κ B kinase complex." <i>Nature</i> , Vol. 395, pages: 297-300 (1998)
B17	Rudolph, D. et al., "Severe liver degeneration and lack of NF- κ B activation in NEMO/IKK γ -deficient mice." <i>Genes & Development</i> , Vol. 14, pages: 854-862 (2000)
B18	Siebenlist, U. et al., "Structure, Regulation and Function of NF- κ B." <i>Annu. Rev. Cell. Biol.</i> , Vol. 10, pages: 405-455 (1994)
B19	Takeda, K. et al., "Limb and Skin Abnormalities in Mice Lacking IKK α ." <i>Science</i> , Vol. 284, pages: 313-316 (1999)

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May, Michael J. et al.

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GROUP

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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

	C1	Traenckner, E.B.-M. et al., "Phosphorylation of human I κ B- α on serines 32 and 36 controls I κ B- α proteolysis and NF- κ B activation in response to diverse stimuli." <i>The EMBO Journal</i> , Vol. 14, No. 12 pages: 2876-2883 (1995)
	C2	Yamaoka, S. et al., "Complementation Cloning of NEMO, a Component of the I κ B Kinase Complex Essential for NF- κ B Activation." <i>Cell</i> , Vol. 93, pages: 1231-1240 (1998)
	C3	Ye, J. et al., "Regulation of the NF- κ B Activation Pathway by Isolated Domains of FIP3/IKK γ , a Component of the I κ B- α Kinase Complex." <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 13, pages: 9882-9889 (2000)
	C4	Zandi, E. et al. "The I κ B kinase complex (IKK) contains two kinase subunits, IKK α and IKK β , necessary for I κ B phosphorylation and NF- κ B activation." <i>Cell</i> , Vol. 91, No. 2, pages: 243-52 (1997).
	C5	Zhang, S.Q. et al., "Recruitment of the IKK Signalosome to the p55 TNF Receptor: RIP and A20 Bind to NEMO (IKK γ) upon Receptor Stimulation." <i>Immunity</i> , Vol. 12, pages: 301-311 (2000)
	C6	Zhong, H. et al., "The Transcriptional Activity of NF- κ B Is Regulated by the I κ B-Associated PKAc Subunit through a Cyclic AMP-Independent Mechanism." <i>Cell</i> , Vol. 89, pages: 413-424 (1997)

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